

Abstract of the Disclosure

A continuous speech recognition method and system are provided. The continuous speech recognition method includes constructing a pronunciation dictionary database including at least one pronunciation representation for each word which is influenced by applying phonological rules, wherein the pronunciation representation for the coda of a first word or the pronunciation representation for the onset of a second word following the first word is additionally indexed with an identifier if it does not match the phonetic pronunciation of its spelling, forming inter-word phonetic information in matrix form by combination of a number of all probable phonetic pairs, each of which is basically comprised of the coda of a first word and the onset of a second word following the first word, wherein the coda of the first word or the onset of the second word is indexed with an identifier if they undergo phonological changes and performing speech recognition on feature vectors extracted from an input speech signal with reference to the pronunciation dictionary database and the inter-word phonetic information.